Bruhat Bengaluru Mahanagara Palike

PROJECT DIVISION-YALAHANKA

Name of Agency :-M/s KRIDL

Bill No :- 1st and Final Bill

Name Of work : - Improvements to SWD in Ward No.08 Kodigehalli

BOQ Item No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	Pre Measurement Recorded on 18/12/18, 21/12/18 and 24/12/18									
2	KSRRB M300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neately dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. MORTH / Chapter 3 with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work									
	New Drain									
	Maruthi Nagar @nd Stage Bhadrappa Layout									
	1st C/s Road									
	LHS									
0.00	9.70		1	9.70			1.15	0.95	10.60	
	RHS									
0.00	15.00		1	15.00			1.15	0.85	14.66	
15.00	27.00		1	12.00			1.15	0.85	11.73	
	1st A C/s Road									
	LHS									
0.00	4.00		1	4.00			1.15	0.90	4.14	
4.00	34.00		1	30.00			1.15	0.90	31.05	
34.00	64.00		1	30.00			1.15	0.90	31.05	
64.00	94.00		1	30.00			1.15	0.90	31.05	
94.00	100.00		1	6.00			1.15	0.90	6.21	
	RHS									
0.00	30.00		1	30.00			1.15	0.90	31.05	
30.00	60.00		1	30.00			1.15	0.90	31.05	
60.00	90.00		1	30.00			1.15	0.90	31.05	
90.00	96.00		1	6.00			1.15	0.90	6.21	
	2nd B Cross Road RHS									
	LHS									
0.00	30.00		1	30.00			1.15	0.90	31.05	
30.00	43.50		1	13.50			1.15	0.90	13.97	
	RHS									
0.00	30.00		1	30.00			1.15	0.90	31.05	
30.00	33.50		1	3.50			1.15	0.90	3.62	
	2nd B Cross Road LHS									
	LHS									
0.00	30.00		1	30.00			1.15	0.90	31.05	
30.00	60.00		1	30.00			1.15	0.90	31.05	
60.00	79.50		1	19.50			1.15	0.90	20.18	
	RHS									
0.00	30.00		1	30.00			1.15	0.90	31.05	
30.00	60.00		1	30.00			1.15	0.90	31.05	
60.00	88.00		1	28.00			1.15	0.90	28.98	
	3rd Cross Road RHS									

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

Assistant Engineer 24/12/18

Assistant Executive Engineer
24/12/2018

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	Pre Measurement										
	LHS										
	0.00	30.00		1	30.00			1.15	0.90	31.05	
	30.00	60.00		1	30.00			1.15	0.90	31.05	
	60.00	73.50		1	13.50			1.15	0.90	13.97	
	RHS										
	0.00	30.00		1	30.00			1.15	0.90	31.05	
	30.00	60.00		1	30.00			1.15	0.90	31.05	
	60.00	73.50		1	13.50			1.15	0.90	13.97	
	3rd Cross Road LHS										
	LHS										
	0.00	30.00		1	30.00			1.15	0.90	31.05	
	30.00	60.00		1	30.00			1.15	0.90	31.05	
	60.00	84.00		1	24.00			1.15	0.90	24.84	
	Across The Road										
	0.00	5.00		1	5.00			1.15	0.90	5.18	
	RHS										
	0.00	7.80		1	7.80			1.15	0.90	8.07	
	7.80	37.80		1	30.00			1.15	0.90	31.05	
	37.80	67.80		1	30.00			1.15	0.90	31.05	
	67.80	90.00		1	22.20			1.15	0.90	22.98	
	1st Main Road										
	LHS										
	30.00	42.00		1	12.00			1.15	0.90	12.42	
	42.00	48.10		0	0.00			1.15	0.90	0.00	
	48.10	60.00		1	11.90			1.15	0.90	12.32	
	60.00	67.00		1	7.00			1.15	0.90	7.25	
	RHS										
	0.00	17.00		1	17.00			1.15	0.90	17.60	
	23.50	30.00		1	6.50			1.15	0.90	6.73	
	30.00	41.50		1	11.50			1.15	0.90	11.90	
	46.30	60.00		1	13.70			1.15	0.90	14.18	
	60.00	72.00		1	12.00			1.15	0.90	12.42	
	Krishnappa Building ~~Amco Layout~~ Near Kodige halli main Road										
	0.00	30.00		1	30.00			1.00	0.85	25.50	
	30.00	50.00		1	20.00			1.00	0.85	17.00	
	50.00	81.00		1	31.00			1.00	0.85	26.35	
	Culverts										
	2nd B Cross Road RHS										
	0.00	3.50		1	3.50			1.50	1.05	5.51	
	2nd B Cross Road LHS										
	Across Road										
	0.00	6.20		1	6.20			1.20	1.05	7.81	
	1st Main Road										
	17.00	23.50		1	6.50			1.50	1.05	10.24	
	41.50	46.30		1	4.80			1.50	1.05	7.56	
	Across Road										
	0.00	7.10		1	7.10			1.20	1.05	8.95	
								Total		1034.04	
						Limited to BOQ Qnty				1033.43	cum

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

18/12
Assistant Engineer

Assistant Executive Engineer

24/12/2018

BOQ Item No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	Pre Measurement Recorded on 31/12/18									
3	KSRB 4-1.2: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work									
	New Drain									
	Maruthi Nagar @nd Stage Bhadrappa Layout									
	1st C/s Road									
	LHS									
	0.00 9.70		1.00	9.70			1.15	0.20	2.23	
	RHS									
	0.00 15.00		1.00	15.00			1.15	0.20	3.45	
	15.00 27.00		1.00	12.00			1.15	0.20	2.76	
	1st A C/s Road									
	LHS									
	0.00 4.00		1.00	4.00			1.15	0.20	0.92	
	4.00 34.00		1.00	30.00			1.15	0.20	6.90	
	34.00 64.00		1.00	30.00			1.15	0.20	6.90	
	64.00 94.00		1.00	30.00			1.15	0.20	6.90	
	94.00 100.00		1.00	6.00			1.15	0.20	1.38	
	RHS									
	0.00 30.00		1.00	30.00			1.15	0.20	6.90	
	30.00 60.00		1.00	30.00			1.15	0.20	6.90	
	60.00 90.00		1.00	30.00			1.15	0.20	6.90	
	90.00 96.00		1.00	6.00			1.15	0.20	1.38	
	2nd B Cross Road RHS									
	LHS									
	0.00 30.00		1.00	30.00			1.15	0.20	6.90	
	30.00 43.50		1.00	13.50			1.15	0.20	3.11	
	RHS									
	0.00 30.00		1.00	30.00			1.15	0.20	6.90	
	30.00 33.50		1.00	3.50			1.15	0.20	0.81	
	2nd B Cross Road LHS									
	LHS									
	0.00 30.00		1.00	30.00			1.15	0.20	6.90	
	30.00 60.00		1.00	30.00			1.15	0.20	6.90	
	60.00 79.50		1.00	19.50			1.15	0.20	4.49	
	RHS									
	0.00 30.00		1.00	30.00			1.15	0.20	6.90	
	30.00 60.00		1.00	30.00			1.15	0.20	6.90	
	60.00 88.00		1.00	28.00			1.15	0.20	6.44	
	3rd Cross Road RHS									
	LHS									
	0.00 30.00		1.00	30.00			1.15	0.20	6.90	
	30.00 60.00		1.00	30.00			1.15	0.20	6.90	
	60.00 73.50		1.00	13.50			1.15	0.20	3.11	
	RHS									
	0.00 30.00		1.00	30.00			1.15	0.20	6.90	

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

31/12/18
Assistant Engineer

Assistant Executive Engineer
31/12/2018

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	Pre Measurement										
	30.00	60.00		1.00	30.00			1.15	0.20	6.90	
	60.00	73.50		1.00	13.50			1.15	0.20	3.11	
	3rd Cross Road LHS										
	LHS										
	0.00	30.00		1.00	30.00			1.15	0.20	6.90	
	30.00	60.00		1.00	30.00			1.15	0.20	6.90	
	60.00	84.00		1.00	24.00			1.15	0.20	5.52	
	Across The Road										
	0.00	5.00		1.00	5.00			1.15	0.20	1.15	
	RHS										
	0.00	7.80		1.00	7.80			1.15	0.20	1.79	
	7.80	37.80		1.00	30.00			1.15	0.20	6.90	
	37.80	67.80		1.00	30.00			1.15	0.20	6.90	
	67.80	90.00		1.00	22.20			1.15	0.20	5.11	
	1st Main Road										
	LHS										
	30.00	42.00		1.00	12.00			1.15	0.20	2.76	
	42.00	48.10		0.00	0.00			1.15	0.20	0.00	
	48.10	60.00		1.00	11.90			1.15	0.20	2.74	
	60.00	67.00		1.00	7.00			1.15	0.20	1.61	
	RHS										
	0.00	17.00		1.00	17.00			1.15	0.20	3.91	
	23.50	30.00		1.00	6.50			1.15	0.20	1.50	
	30.00	41.50		1.00	11.50			1.15	0.20	2.65	
	46.30	60.00		1.00	13.70			1.15	0.20	3.15	
	60.00	72.00		1.00	12.00			1.15	0.20	2.76	
	Krishnappa Building ~~Amco Layout~~ Near Kodige halli main Road										
	0.00	30.00		1.00	30.00			1.00	0.20	6.00	
	30.00	50.00		1.00	20.00			1.00	0.20	4.00	
	50.00	81.00		1.00	31.00			1.00	0.20	6.20	
	Culverts										
	2nd B Cross Road RHS										
	0.00	3.50		1.00	3.50			1.50	0.25	1.31	
	2nd B Cross Road LHS										
	Across Road										
	0.00	6.20		1.00	6.20			1.20	0.25	1.86	
	1st Main Road										
	17.00	23.50		1.00	6.50			1.50	0.25	2.44	
	41.50	46.30		1.00	4.80			1.50	0.25	1.80	
	Across Road										
	0.00	7.10		1.00	7.10			1.20	0.25	2.13	
								Total		**231.54**	**cum**

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

31/12/18

Assistant Engineer

Assistant Executive Engineer

31/12/2018

BOQ Item No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	Pre Measurement Recorded on 5/1/2019 & 7/1/2019									
4	KSRB 4-6.1: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specifcation No. KBS 4.6.2 with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work									
	New Drain									
	Maruthi Nagar @nd Stage Bhadrappa Layout									
	1st C/s Road									
	LHS									
0.00	9.70		2	9.70				0.15	2.91	
	RHS									
0.00	15.00		2	15.00				0.15	4.50	
15.00	27.00		2	12.00				0.15	3.60	
	1st A C/s Road									
	LHS									
0.00	4.00		2	4.00				0.15	1.20	
4.00	34.00		2	30.00				0.15	9.00	
34.00	64.00		2	30.00				0.15	9.00	
64.00	94.00		2	30.00				0.15	9.00	
94.00	100.00		2	6.00				0.15	1.80	
	RHS									
0.00	30.00		2	30.00				0.15	9.00	
30.00	60.00		2	30.00				0.15	9.00	
60.00	90.00		2	30.00				0.15	9.00	
90.00	96.00		2	6.00				0.15	1.80	
	2nd B Cross Road RHS									
	LHS									
0.00	30.00		2	30.00				0.15	9.00	
30.00	43.50		2	13.50				0.15	4.05	
	RHS									
0.00	30.00		2	30.00				0.15	9.00	
30.00	33.50		2	3.50				0.15	1.05	
	2nd B Cross Road LHS									
	LHS									
0.00	30.00		2	30.00				0.15	9.00	
30.00	60.00		2	30.00				0.15	9.00	
60.00	79.50		2	19.50				0.15	5.85	
	RHS									
0.00	30.00		2	30.00				0.15	9.00	
30.00	60.00		2	30.00				0.15	9.00	
60.00	88.00		2	28.00				0.15	8.40	
	3rd Cross Road RHS									
	LHS									
0.00	30.00		2	30.00				0.15	9.00	
30.00	60.00		2	30.00				0.15	9.00	
60.00	73.50		2	13.50				0.15	4.05	
	RHS									
0.00	30.00		2	30.00				0.15	9.00	
30.00	60.00		2	30.00				0.15	9.00	
60.00	73.50		2	13.50				0.15	4.05	

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

5/1/19
Assistant Engineer

Assistant Executive Engineer

7/1/2019

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	Pre Measurement										
	3rd Cross Road LHS										
	LHS										
	0.00	30.00		2	30.00				0.15	9.00	
	30.00	60.00		2	30.00				0.15	9.00	
	60.00	84.00		2	24.00				0.15	7.20	
	Across The Road										
	0.00	5.00		2	5.00				0.15	1.50	
	RHS										
	0.00	7.80		2	7.80				0.15	2.34	
	7.80	37.80		2	30.00				0.15	9.00	
	37.80	67.80		2	30.00				0.15	9.00	
	67.80	90.00		2	22.20				0.15	6.66	
	1st Main Road										
	LHS										
	30.00	42.00		2	12.00				0.15	3.60	
	42.00	48.10		0	0.00				0.15	0.00	
	48.10	60.00		2	11.90				0.15	3.57	
	60.00	67.00		2	7.00				0.15	2.10	
	RHS										
	0.00	17.00		2	17.00				0.15	5.10	
	23.50	30.00		2	6.50				0.15	1.95	
	30.00	41.50		2	11.50				0.15	3.45	
	46.30	60.00		2	13.70				0.15	4.11	
	60.00	72.00		2	12.00				0.15	3.60	
	Krishnappa Building ~~Amco Layout~~ Near Kodige halli main Road										
	0.00	30.00		2	30.00				0.15	9.00	
	30.00	50.00		2	20.00				0.15	6.00	
	50.00	81.00		2	31.00				0.15	9.30	
	Culverts										
	2nd B Cross Road RHS										
	0.00	3.50		2	3.50				0.25	1.75	
	2nd B Cross Road LHS										
	Across Road								0.25		
	0.00	6.20		2	6.20				0.25	3.10	
	1st Main Road										
	17.00	23.50		2	6.50				0.25	3.25	
	41.50	46.30		2	4.80				0.25	2.40	
	Across Road										
	0.00	7.10		2	7.10				0.25	3.55	
								Total		**306.79**	**Sqm**

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

5/1/19
Assistant Engineer

Assistant Executive Engineer

7/1/2019

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	Pre Measurement										
5	KSRB 4-6.4: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surfaces such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No.KBS 4.6.2 with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work										
	New Drain										
	Maruthi Nagar @nd Stage Bhadrappa Layout										
	1st C/s Road										
	LHS										
	0.00	9.70		4	9.70				0.70	27.16	
	RHS										
	0.00	15.00		4	15.00				0.60	36.00	
	15.00	27.00		4	12.00				0.60	28.80	
	1st A C/s Road										
	LHS										
	0.00	4.00		4	4.00				0.65	10.40	
	4.00	34.00		4	30.00				0.65	78.00	
	34.00	64.00		4	30.00				0.65	78.00	
	64.00	94.00		4	30.00				0.65	78.00	
	94.00	100.00		4	6.00				0.65	15.60	
	RHS										
	0.00	30.00		4	30.00				0.65	78.00	
	30.00	60.00		4	30.00				0.65	78.00	
	60.00	90.00		4	30.00				0.65	78.00	
	90.00	96.00		4	6.00				0.65	15.60	
	2nd B Cross Road RHS										
	LHS										
	0.00	30.00		4	30.00				0.65	78.00	
	30.00	43.50		4	13.50				0.65	35.10	
	RHS										
	0.00	30.00		4	30.00				0.65	78.00	
	30.00	33.50		4	3.50				0.65	9.10	
	2nd B Cross Road LHS										
	LHS										
	0.00	30.00		4	30.00				0.65	78.00	
	30.00	60.00		4	30.00				0.65	78.00	
	60.00	79.50		4	19.50				0.65	50.70	
	RHS										
	0.00	30.00		4	30.00				0.65	78.00	
	30.00	60.00		4	30.00				0.65	78.00	
	60.00	88.00		4	28.00				0.65	72.80	
	3rd Cross Road RHS										
	LHS										
	0.00	30.00		4	30.00				0.65	78.00	
	30.00	60.00		4	30.00				0.65	78.00	
	60.00	73.50		4	13.50				0.65	35.10	
	RHS										
	0.00	30.00		4	30.00				0.65	78.00	
	30.00	60.00		4	30.00				0.65	78.00	

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

Assistant Engineer 5/1/19

Assistant Executive Engineer
7/1/2019

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	Pre Measurement										
	60.00	73.50		4	13.50				0.65	35.10	
	3rd Cross Road LHS										
	LHS										
	0.00	30.00		4	30.00				0.65	78.00	
	30.00	60.00		4	30.00				0.65	78.00	
	60.00	84.00		4	24.00				0.65	62.40	
	Across The Road										
	0.00	5.00		4	5.00				0.65	13.00	
	RHS										
	0.00	7.80		4	7.80				0.65	20.28	
	7.80	37.80		4	30.00				0.65	78.00	
	37.80	67.80		4	30.00				0.65	78.00	
	67.80	90.00		4	22.20				0.65	57.72	
	1st Main Road										
	LHS										
	30.00	42.00		4	12.00				0.65	31.20	
	42.00	48.10		0	0.00				0.65	0.00	
	48.10	60.00		4	11.90				0.65	30.94	
	60.00	67.00		4	7.00				0.65	18.20	
	RHS										
	0.00	17.00		4	17.00				0.65	44.20	
	23.50	30.00		4	6.50				0.65	16.90	
	30.00	41.50		4	11.50				0.65	29.90	
	46.30	60.00		4	13.70				0.65	35.62	
	60.00	72.00		4	12.00				0.65	31.20	
	Krishnappa Building ~~Amco Layout~~ Near Kodige halli main Road										
	0.00	30.00		4	30.00				0.60	72.00	
	30.00	50.00		4	20.00				0.60	48.00	
	50.00	81.00		4	31.00				0.60	74.40	
	Culverts										
	2nd B Cross Road RHS										
	0.00	3.50		4	3.50				0.65	9.10	
	2nd B Cross Road LHS										
	Across Road										
	0.00	6.20		4	6.20				0.65	16.12	
	1st Main Road										
	17.00	23.50		4	6.50				0.65	16.90	
	41.50	46.30		4	4.80				0.65	12.48	
	Across Road										
	0.00	7.10		4	7.10				0.65	18.46	
								Total		**2590.48**	
						Limited to BOQ Qnty				**2587.78**	**sqm**

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

5/1/19
Assistant Engineer

Assistant Executive Engineer.

7/1/2019

BOQ Item No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	Pre Measurement Recorded on 17/1/2019 & 18/1/2019									18/1/2019
6	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of Design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460 cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6									
	RAFT									
	New Drain									
	Maruthi Nagar @nd Stage Bhadrappa Layout									
	1st C/s Road									
	LHS									
	0.00 9.70		1	9.70			1.15	0.15	1.67	
	RHS									
	0.00 15.00		1	15.00			1.15	0.15	2.59	2.587
	15.00 27.00		1	12.00			1.15	0.15	2.07	
	1st A C/s Road									
	LHS									
	0.00 4.00		1	4.00			1.15	0.15	0.69	
	4.00 34.00		1	30.00			1.15	0.15	5.18	
	34.00 64.00		1	30.00			1.15	0.15	5.18	
	64.00 94.00		1	30.00			1.15	0.15	5.18	
	94.00 100.00		1	6.00			1.15	0.15	1.04	
	RHS									
	0.00 30.00		1	30.00			1.15	0.15	5.18	5.195
	30.00 60.00		1	30.00			1.15	0.15	5.18	
	60.00 90.00		1	30.00			1.15	0.15	5.18	
	90.00 96.00		1	6.00			1.15	0.15	1.04	
	2nd B Cross Road RHS									
	LHS									
	0.00 30.00		1	30.00			1.15	0.15	5.18	
	30.00 43.50		1	13.50			1.15	0.15	2.33	
	RHS									
	0.00 30.00		1	30.00			1.15	0.15	5.18	
	30.00 33.50		1	3.50			1.15	0.15	0.60	
	2nd B Cross Road LHS									
	LHS									
	0.00 30.00		1	30.00			1.15	0.15	5.18	
	30.00 60.00		1	30.00			1.15	0.15	5.18	
	60.00 79.50		1	19.50			1.15	0.15	3.36	
	RHS									
	0.00 30.00		1	30.00			1.15	0.15	5.18	
	30.00 60.00		1	30.00			1.15	0.15	5.18	
	60.00 88.00		1	28.00			1.15	0.15	4.83	
	3rd Cross Road RHS									
	LHS									
	0.00 30.00		1	30.00			1.15	0.15	5.18	
	30.00 60.00		1	30.00			1.15	0.15	5.18	

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

Assistant Engineer 17/1

Assistant Executive Engineer

18/1/2019

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	Pre Measurement										
	60.00	73.50		1	13.50			1.15	0.15	2.33	
	RHS										
	0.00	30.00		1	30.00			1.15	0.15	5.18	
	30.00	60.00		1	30.00			1.15	0.15	5.18	
	60.00	73.50		1	13.50			1.15	0.15	2.33	2.328
	3rd Cross Road LHS										
	LHS										
	0.00	30.00		1	30.00			1.15	0.15	5.18	
	30.00	60.00		1	30.00			1.15	0.15	5.18	
	60.00	84.00		1	24.00			1.15	0.15	4.14	
	Across The Road										
	0.00	5.00		1	5.00			1.15	0.15	0.86	
	RHS										
	0.00	7.80		1	7.80			1.15	0.15	1.35	
	7.80	37.80		1	30.00			1.15	0.15	5.18	
	37.80	67.80		1	30.00			1.15	0.15	5.18	
	67.80	90.00		1	22.20			1.15	0.15	3.83	
	1st Main Road										
	LHS										
	30.00	42.00		1	12.00			1.15	0.15	2.07	
	42.00	48.10		0	0.00			1.15	0.15	0.00	
	48.10	60.00		1	11.90			1.15	0.15	2.05	
	60.00	67.00		1	7.00			1.15	0.15	1.21	
	RHS										
	0.00	17.00		1	17.00			1.15	0.15	2.93	
	23.50	30.00		1	6.50			1.15	0.15	1.12	
	30.00	41.50		1	11.50			1.15	0.15	1.98	
	46.30	60.00		1	13.70			1.15	0.15	2.36	
	60.00	72.00		1	12.00			1.15	0.15	2.07	
	Krishnappa Building Amco Layout Near Kodige halli main Road										
	0.00	30.00		1	30.00			1.00	0.15	4.50	
	30.00	50.00		1	20.00			1.00	0.15	3.00	
	50.00	81.00		1	31.00			1.00	0.15	4.65	
	Culverts										
	2nd B Cross Road RHS										
	0.00	3.50		1	3.50			1.50	0.25	1.31	
	2nd B Cross Road LHS										
	Across Road										
	0.00	6.20		1	6.20			1.20	0.25	1.86	
	1st Main Road										
	17.00	23.50		1	6.50			1.50	0.25	2.44	
	41.50	46.30		1	4.80			1.50	0.25	1.80	
	Across Road										
	0.00	7.10		1	7.10			1.20	0.25	2.13	
	SIDE WALL										
	Maruthi Nagar @nd Stage Bhadrappa Layout										
	1st C/s Road										
	LHS										
	0.00	9.70		2	9.70			0.175	0.70	2.38	

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

17/1/2019

Assistant Engineer

Assistant Executive Engineer

18/1/2019

BOQ Item No	Description		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	Chainage										
	Pre Measurement										
	RHS										
	0.00	15.00		2	15.00			0.175	0.60	3.15	
	15.00	27.00		2	12.00			0.175	0.60	2.52	
	1st A C/s Road										
	LHS										
	0.00	4.00		2	4.00			0.175	0.65	0.91	
	4.00	34.00		2	30.00			0.175	0.65	6.83	
	34.00	64.00		2	30.00			0.175	0.65	6.83	
	64.00	94.00		2	30.00			0.175	0.65	6.83	
	94.00	100.00		2	6.00			0.175	0.65	1.37	
	RHS										
	0.00	30.00		2	30.00			0.175	0.65	6.83	
	30.00	60.00		2	30.00			0.175	0.65	6.83	
	60.00	90.00		2	30.00			0.175	0.65	6.83	
	90.00	96.00		2	6.00			0.175	0.65	1.37	
	2nd B Cross Road RHS										
	LHS										
	0.00	30.00		2	30.00			0.175	0.65	6.83	
	30.00	43.50		2	13.50			0.175	0.65	3.07	
	RHS										
	0.00	30.00		2	30.00			0.175	0.65	6.83	
	30.00	33.50		2	3.50			0.175	0.65	0.80	
	2nd B Cross Road LHS										
	LHS										
	0.00	30.00		2	30.00			0.175	0.65	6.83	
	30.00	60.00		2	30.00			0.175	0.65	6.83	
	60.00	79.50		2	19.50			0.175	0.65	4.44	4.456
	RHS										
	0.00	30.00		2	30.00			0.175	0.65	6.83	
	30.00	60.00		2	30.00			0.175	0.65	6.83	
	60.00	88.00		2	28.00			0.175	0.65	6.37	
	3rd Cross Road RHS										
	LHS										
	0.00	30.00		2	30.00			0.175	0.65	6.83	
	30.00	60.00		2	30.00			0.175	0.65	6.83	
	60.00	73.50		2	13.50			0.175	0.65	3.07	
	RHS										
	0.00	30.00		2	30.00			0.175	0.65	6.83	
	30.00	60.00		2	30.00			0.175	0.65	6.83	
	60.00	73.50		2	13.50			0.175	0.65	3.07	
	3rd Cross Road LHS										
	LHS										
	0.00	30.00		2	30.00			0.175	0.65	6.83	
	30.00	60.00		2	30.00			0.175	0.65	6.83	
	60.00	84.00		2	24.00			0.175	0.65	5.46	
	Across The Road										
	0.00	5.00		2	5.00			0.175	0.65	1.14	
	RHS										
	0.00	7.80		2	7.80			0.175	0.65	1.77	
	7.80	37.80		2	30.00			0.175	0.65	6.83	
	37.80	67.80		2	30.00			0.175	0.65	6.83	

Assistant Executive Engineer
Kumaraswamypura Sub-Division
KRIDL, BBMP, Bangalore

Assistant Engineer

17/1/2019

Assistant Executive Engineer

18/1/2019

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	Pre Measurement										
	67.80	90.00		2	22.20			0.175	0.65	5.05	
	1st Main Road										
	LHS										
	30.00	42.00		2	12.00			0.175	0.65	2.73	
	42.00	48.10		0	0.00			0.175	0.65	0.00	
	48.10	60.00		2	11.90			0.175	0.65	2.71	
	60.00	67.00		2	7.00			0.175	0.65	1.59	
	RHS										
	0.00	17.00		2	17.00			0.175	0.65	3.87	3.867
	23.50	30.00		2	6.50			0.175	0.65	1.48	
	30.00	41.50		2	11.50			0.175	0.65	2.62	
	46.30	60.00		2	13.70			0.175	0.65	3.12	
	60.00	72.00		2	12.00			0.175	0.65	2.73	
	Krishnappa Building ~~Ameo~~ ~~Layout~~ Near Kodige halli main Road										
	0.00	30.00		2	30.00			0.175	0.60	6.30	
	30.00	50.00		2	20.00			0.175	0.60	4.20	
	50.00	81.00		2	31.00			0.175	0.60	6.51	
	Culverts										
	2nd B Cross Road RHS										
	0.00	3.50		2	3.50			0.25	0.65	1.14	
	2nd B Cross Road LHS										
	Across Road										
	0.00	6.20		2	6.20			0.25	0.65	2.02	
	1st Main Road										
	17.00	23.50		2	6.50			0.25	0.65	2.11	
	41.50	46.30		2	4.80			0.25	0.65	1.56	
	Across Road										
	0.00	7.10		2	7.10			0.25	0.65	2.31	
		Checked						**Total**		**405.45**	
						Limited to BOQ Qnty				**405.21**	**cum**

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

17/1/2019
Assistant Engineer

Assistant Executive Engineer
18/1/2019

BOQ Item No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	Pre Measurement Recorded on 5/1/2019 and 7/1/2019									
7	KSRB - 4.9.2: Providing TMT steel Fe500 reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3. with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work									
							Unit weight of steel / meter			
	New Drain									
	Maruthi Nagar @nd Stage									
	1st C/s Road									
	LHS									
	0.00 9.70		1.00	9.70						
	10 mm main U bars	1.00	122.00	2.45			0.620		185.32	
	8mm Dia bars	1.00	22	9.70			0.400		85.36	
	RHS									
	0.00 27.00		1.00	27.00						
	10 mm main U bars	1.00	339.00	2.25			0.620		472.91	
	8mm Dia bars	1.00	20	27.00			0.400		216.00	
	1st A C/s Road									
	LHS									
	0.00 4.00		1	4.00						
	10 mm main U bars	1.00	51.00	2.35			0.620		74.31	
	8mm Dia bars	1.00	21	4.00			0.400		33.60	
	4.00 34.00		1	30.00						
	10 mm main U bars	1.00	376.00	2.35			0.620		547.83	
	8mm Dia bars	1.00	21	30.00			0.400		252.00	
	34.00 64.00		1	30.00						
	10 mm main U bars	1.00	376.00	2.35			0.620		547.83	
	8mm Dia bars	1.00	21	30.00			0.400		252.00	
	64.00 94.00		1	30.00						
	10 mm main U bars	1.00	376.00	2.35			0.620		547.83	
	8mm Dia bars	1.00	21	30.00			0.400		252.00	
	94.00 100.00		1	6.00						
	10 mm main U bars	1.00	76.00	2.35			0.620		110.73	110.7352
	8mm Dia bars	1.00	21	6.00			0.400		50.40	
	RHS									
	0.00 30.00		1	30.00						
	10 mm main U bars	1.00	376.00	2.35			0.620		547.83	
	8mm Dia bars	1.00	21	30.00			0.400		252.00	
	30.00 60.00		1	30.00						
	10 mm main U bars	1.00	376.00	2.35			0.620		547.83	
	8mm Dia bars	1.00	21	30.00			0.400		252.00	
	60.00 90.00		1	30.00						
	10 mm main U bars	1.00	376.00	2.35			0.620		547.83	
	8mm Dia bars	1.00	21	30.00			0.400		252.00	
	90.00 96.00		1	6.00						
	10 mm main U bars	1.00	76.00	2.35			0.620		110.73	
	8mm Dia bars	1.00	21	6.00			0.400		50.40	

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

5/1/2019
Assistant Engineer

Assistant Executive Engineer

7/1/2019

BOQ Item No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	Pre Measurement									
	2nd B Cross Road RHS									
	LHS									
	0.00 30.00		1	30.00						
	10 mm main U bars	1.00	376.00	2.35			0.620		547.83	
	8mm Dia bars	1.00	21	30.00			0.400		252.00	
	30.00 43.50		1	13.50						
	10 mm main U bars	1.00	170.00	2.35			0.620		247.69	
	8mm Dia bars	1.00	21	13.50			0.400		113.40	
	RHS									
	0.00 30.00		1	30.00						
	10 mm main U bars	1.00	376.00	2.35			0.620		547.83	
	8mm Dia bars	1.00	21	30.00			0.400		252.00	
	30.00 33.50		1	3.50						
	10 mm main U bars	1.00	36.00	2.35			0.620		52.45	
	8mm Dia bars	1.00	21	3.50			0.400		29.40	
	2nd B Cross Road LHS									
	LHS									
	0.00 30.00		1	30.00						
	10 mm main U bars	1.00	376.00	2.35			0.620		547.83	
	8mm Dia bars	1.00	21	30.00			0.400		252.00	
	30.00 60.00		1	30.00						
	10 mm main U bars	1.00	376.00	2.35			0.620		547.83	
	8mm Dia bars	1.00	21	30.00			0.400		252.00	
	60.00 79.50		1	19.50						
	10 mm main U bars	1.00	245.00	2.35			0.620		356.97	
	8mm Dia bars	1.00	21	19.50			0.400		163.80	
	RHS									
	0.00 30.00		1	30.00						
	10 mm main U bars	1.00	376.00	2.35			0.620		547.83	
	8mm Dia bars	1.00	21	30.00			0.400		252.00	
	30.00 60.00		1	30.00						
	10 mm main U bars	1.00	376.00	2.35			0.620		547.83	
	8mm Dia bars	1.00	21	30.00			0.400		252.00	
	60.00 88.00		1	28.00						
	10 mm main U bars	1.00	351.00	2.35			0.620		511.41	
	8mm Dia bars	1.00	21	28.00			0.400		235.20	
	3rd Cross Road RHS									
	LHS									
	0.00 30.00		1	30.00						
	10 mm main U bars	1.00	301.00	2.35			0.620		438.56	
	8mm Dia bars	1.00	21	30.00			0.400		252.00	
	30.00 60.00		1	30.00						
	10 mm main U bars	1.00	301.00	2.35			0.620		438.56	
	8mm Dia bars	1.00	21	30.00			0.400		252.00	
	60.00 73.50		1	13.50						
	10 mm main U bars	1.00	136.00	2.35			0.620		198.15	
	8mm Dia bars	1.00	21	13.50			0.400		113.40	
	RHS									
	0.00 30.00		1	30.00						
	10 mm main U bars	1.00	301.00	2.35			0.620		438.56	138.557
	8mm Dia bars	1.00	21	30.00			0.400		252.00	

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

Assistant Engineer 5/1/2019

Assistant Executive Engineer
7/1/2019

BOQ Item No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	Pre Measurement									
	30.00 60.00		1	30.00						
	10 mm main U bars	1.00	301.00	2.35			0.620		438.56	
	8mm Dia bars	1.00	21	30.00			0.400		252.00	
	60.00 73.50		1	13.50						
	10 mm main U bars	1.00	136.00	2.35			0.620		198.15	
	8mm Dia bars	1.00	21	13.50			0.400		113.40	
	3rd Cross Road LHS									
	LHS									
	0.00 30.00		1	30.00						
	10 mm main U bars	1.00	301.00	2.35			0.620		438.56	
	8mm Dia bars	1.00	21	30.00			0.400		252.00	
	30.00 60.00		1	30.00						
	10 mm main U bars	1.00	301.00	2.35			0.620		438.56	
	8mm Dia bars	1.00	21	30.00			0.400		252.00	
	60.00 84.00		1	24.00						
	10 mm main U bars	1.00	241.00	2.35			0.620		351.14	
	8mm Dia bars	1.00	21	24.00			0.400		201.60	
	Across The Road									
	0.00 5.00		1	5.00						
	10 mm main U bars	1.00	51.00	2.35			0.620		74.31	
	8mm Dia bars	1.00	21	5.00			0.400		42.00	
	RHS									
	0.00 7.80		1	7.80						
	10 mm main U bars	1.00	79.00	2.35			0.620		115.10	
	8mm Dia bars	1.00	21	7.80			0.400		65.52	
	7.80 37.80		1	30.00						
	10 mm main U bars	1.00	301.00	2.35			0.620		438.56	
	8mm Dia bars	1.00	21	30.00			0.400		252.00	
	37.80 67.80		1	30.00						
	10 mm main U bars	1.00	301.00	2.35			0.620		438.56	
	8mm Dia bars	1.00	21	30.00			0.400		252.00	
	67.80 90.00		1	22.20						
	1st Main Road									
	LHS									
	30.00 42.00		1	12.00						
	10 mm main U bars	1.00	121.00	2.35			0.620		176.30	
	8mm Dia bars	1.00	21	12.00			0.400		100.80	
	48.10 60.00		1	11.90						
	10 mm main U bars	1.00	120.00	2.35			0.620		174.84	
	8mm Dia bars	1.00	21	11.90			0.400		99.96	
	60.00 67.00		1	7.00						
	10 mm main U bars	1.00	71.00	2.35			0.620		103.45	
	8mm Dia bars	1.00	21	7.00			0.400		58.80	
	RHS									
	0.00 17.00		1	17.00						
	10 mm main U bars	1.00	171.00	2.35			0.620		249.15	
	8mm Dia bars	1.00	21	17.00			0.400		142.80	
	23.50 30.00		1	6.50						
	10 mm main U bars	1.00	66.00	2.35			0.620		96.16	
	8mm Dia bars	1.00	21	6.50			0.400		54.60	
	30.00 41.50		1	11.50						

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

5/1/2019
Assistant Engineer

Assistant Executive Engineer
7/1/2019